

PGComm

User Manual



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1. Overview

PGComm is an application that allows you to communicate with all Puregas and Sparton monitoring systems. It allows you to view and modify system statistics online in a live environment. PGComm also enables you to backup and load offline databases as well as update firmware on the monitoring system. (Figure 1.)

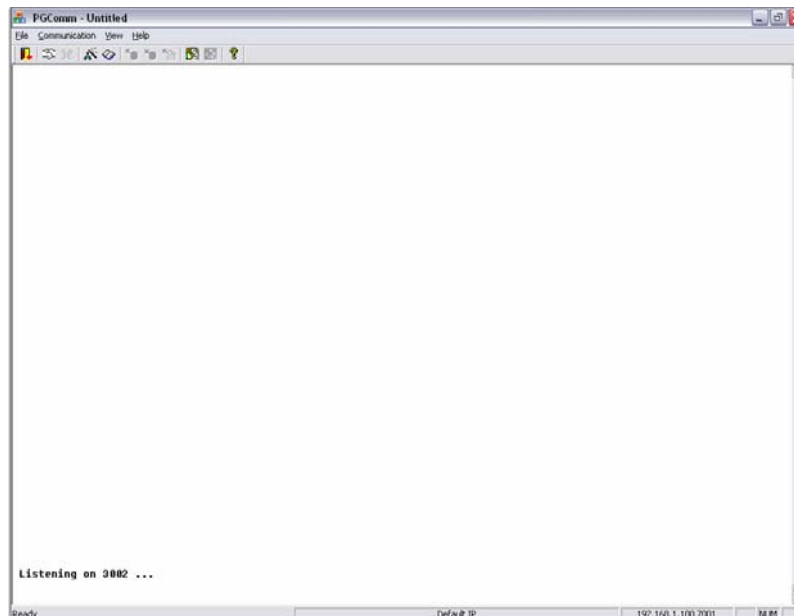



Figure 1

2. Working with the Phone Book

The Phone Book in PGComm allows you to create and save connection entries for monitoring systems that you communicate with. These entries can include Dial-up, IP, and Direct connections to systems. You also have the ability to Import and Export phone book entries when needed.

2.1 Creating a Phone Book Entry for Dial-up

1. Click on the  Phone Book icon on the toolbar. This opens the Phone Book dialog box (Figure 2.)
2. Click on the ADD button. This opens the Site Setup dialog box (Figure 3.)
3. Type an identifying name for the site in the SITE NAME text box.

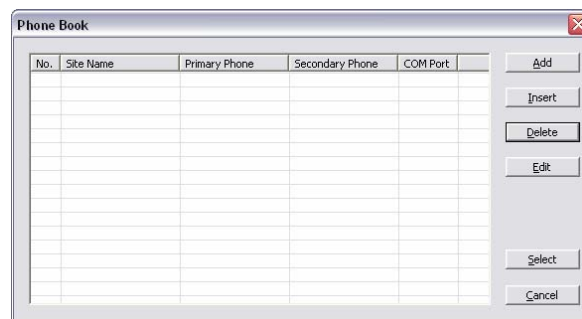


Figure 2


4. Verify that the COM option is selected for the CONNECT TYPE.
5. Type the primary phone number for the system in the PRIMARY PHONE text box. *Make sure to include a 1 for long distance and the area code if necessary. Don't use spaces. Ex. 13034273700*
6. Select the correct PORT setting for the computer you are using.
7. Leave the default settings for the remaining options.
8. Click the OK button.

The Site Setup dialog box is shown with the 'COM' radio button selected under 'Connect Type'. The 'COM Settings' section includes the following fields: 'Primary Phone' (13034273700), 'Secondary Phone' (empty), 'Port' (COM3), 'Baud Rate' (2400), 'Data Bits' (7), 'Parity' (EVEN), 'Stop Bits' (1), 'Flow Control' (NONE), 'Dialing Mode' (Tone), and 'Modem Init' (AT). The 'IP Settings' section at the bottom is collapsed. 'OK' and 'Cancel' buttons are at the bottom right.

Figure 3

Notice the appearance of the new phone book entry in the Phone Book dialog box.

2.2 Creating a Phone Book Entry for IP

1. Click on the  Phone Book icon on the toolbar. This opens the Phone Book dialog box (Figure 4.)
2. Click on the ADD button. This opens the Site Setup dialog box (Figure 5.)
3. Type an identifying name for the site in the SITE NAME text box.
4. Verify that the IP option is selected for the CONNECT TYPE.
5. Type the IP Address of the system in the IP ADDRESS text box.
6. Type 7001 in the PORT text box.
7. Click the OK button.

The Phone Book dialog box contains a table with the following data:

No.	Site Name	Primary Phone	Secondary Phone	COM Port
1	Puregas Dial-up	13034273700		COM3

Buttons on the right include Add, Insert, Delete, Edit, Select, and Cancel.


Figure 4

The Site Setup dialog box is shown with the 'IP' radio button selected under 'Connect Type'. The 'COM Settings' section is collapsed. The 'IP Settings' section is active, showing 'IP Address' (192 . 168 . 1 . 100) and 'Port' (7001). 'OK' and 'Cancel' buttons are at the bottom right.

Figure 5

Notice the appearance of the new phone book entry in the Phone Book dialog box.

2.3 Creating a Phone Book Entry for Direct Connect

1. Click on the  Phone Book icon on the toolbar. This opens the Phone Book dialog box (Figure 6.)
2. Click on the ADD button. This opens the Site Setup dialog box (Figure 7.)
3. Type an identifying name for the site in the SITE NAME text box.
4. Verify that the COM option is selected for the CONNECT TYPE.
5. Select the correct PORT setting for the computer you are using.
6. Leave the default settings for the remaining options.
7. Click the OK button.

Notice the appearance of the new phone book entry in the Phone Book dialog box.

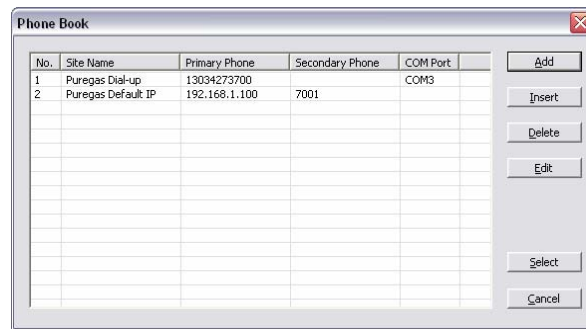


Figure 6

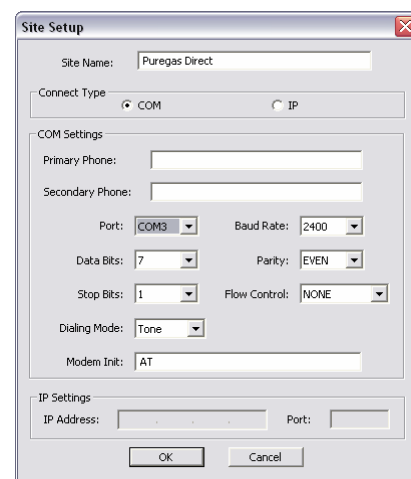



Figure 7

2.4 Inserting a Phone Book Entry

1. Click on the  Phone Book icon on the toolbar. This opens the Phone Book dialog box (Figure 8.)
2. Select the phone book entry that you want to insert a new phone book entry ahead of.
3. Click the INSERT button. This opens the Site Setup dialog box.
4. Create the new phone book using one of the previously mentioned methods: Dial up, IP, or Direct Connect.

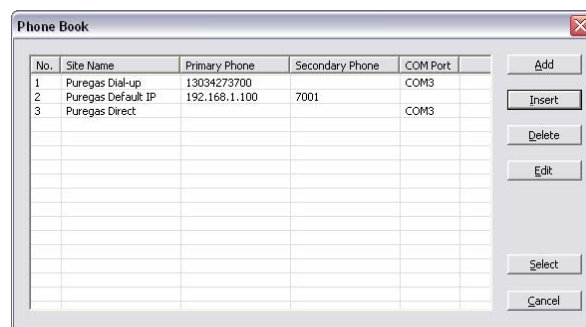



Figure 8

Notice the appearance of the new phone book entry in the Phone Book dialog box.

2.5 Deleting a Phone Book Entry

1. Click on the  Phone Book icon on the toolbar. This opens the Phone Book dialog box (Figure 9.)
2. Select the phone book entry that you want to delete.
3. Click the DELETE button. The Delete Site dialog box appears.
4. Click the YES button to confirm deletion of the entry (Figure 10.)

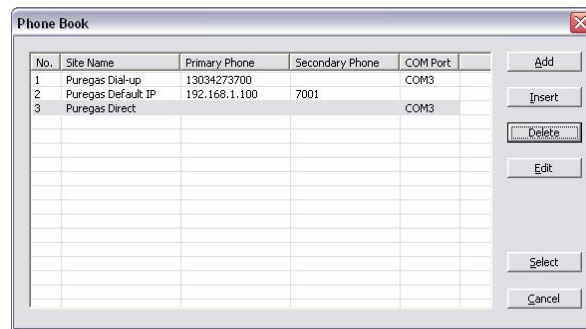


Figure 9

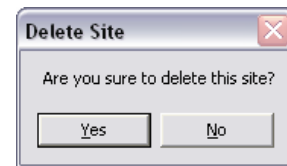



Figure 10

The phone book entry is now removed from the list in the Phone Book dialog box.

2.6 Editing a Phone Book Entry

1. Click on the  Phone Book icon on the toolbar. This opens the Phone Book dialog box (Figure 11.)
2. Select the phone book entry that you want to edit.
3. Click the EDIT button. This opens the Site Setup dialog box.
4. Update the information as necessary.
5. Click the OK button.

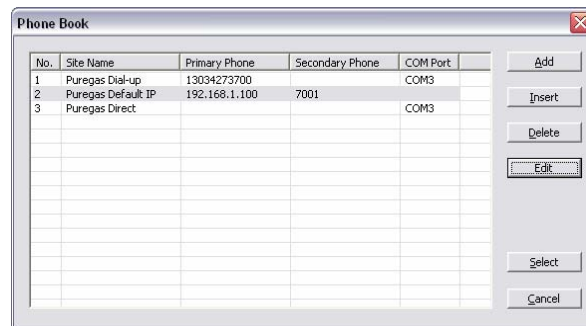



Figure 11

The phone book entry is now updated in the Phone Book dialog box.

2.7 Selecting a Phone Book Entry

1. Click on the  Phone Book icon on the toolbar. This opens the Phone Book dialog box (Figure 12.)
2. Select the phone book entry that you want to use.
3. Click the SELECT button.

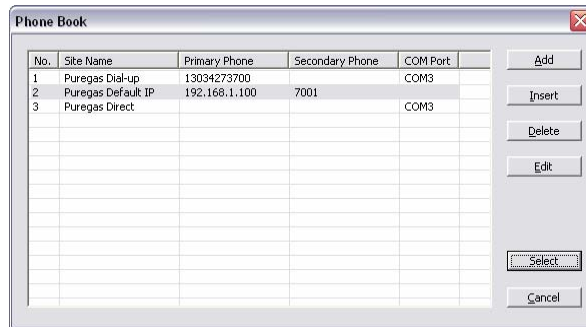


Figure 12

The selected phone book entry is now the active selection in the main screen. Notice the active phone book entry displayed in the status bar.

2.8 Importing Phone Book Data

1. Click FILE on the toolbar to open the FILE menu (Figure 13.)
2. Select IMPORT... from the FILE menu. This opens the Open dialog box.
3. Locate the .csv file in the Open dialog box.
4. Select the .csv file.
5. Click the OPEN button.

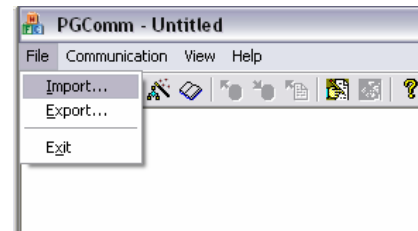


Figure 13

The data found in the .csv file is now included in the Phone Book.

2.9 Exporting Phone Book Data

1. Click FILE on the toolbar to open the FILE menu (Figure 14.)
2. Select EXPORT... from the FILE menu.
3. Navigate to the location you want to save the file in the Save As dialog box.
4. Type a file name in the FILE NAME text box.
5. Click the SAVE button.

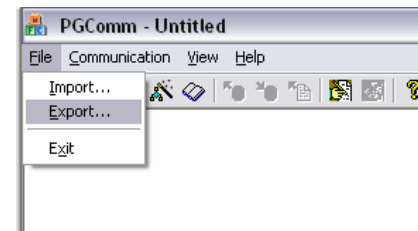


Figure 14

All the entries in the Phone Book are now saved in the .csv file you just created.

3. Connecting to the Monitoring System

3.1 Connecting using Dial-up and Direct Connections


1. Select the Phone Book entry for the system that you want to connect to as outlined in the *Selecting a Phone Book Entry* section above.
2. Click on the  Connect icon on the toolbar. This opens the Pick Desired Phone Number dialog box (Figure 15.)
3. Select one of the choices.
4. Click the OK button. The computer will now attempt to connect to the monitoring system.
5. When CONNECT appears on the screen, tap the Space Bar several times until ENTER KEYWORD appears (Figure 16.)
6. Type in your Keyword and then press the ENTER key.



Figure 15


```
Listening on 3002 ...  
OK  
  
CONNECT 31200  
(  
Please Wait !!!  
  
ENTER KEYWORD
```

Ready

Figure 16

You are now connected to the monitoring system.

3.2 Connecting using IP Connections

1. Select the Phone Book entry for the system that you want to connect to as outlined in the *Selecting a Phone Book Entry* section above.
2. Click on the  Connect icon on the toolbar.
3. Tap the Space Bar several times until ENTER KEYWORD appears (Figure 17.)
4. Type in your Keyword and then press the ENTER key.

```
Listening on 3002 ...  
Connect to host 192.168.1.100 7001 ...  
Connected.  
(  
Please Wait !!!  
  
ENTER KEYWORD
```

Ready

Figure 17

You are now connected to the monitoring system.

4. Disconnecting from the Monitoring System

1. Press the ESC key to return to the root menu.
2. Type Q to quit.
3. Type Y when prompted to *Enter Yes to confirm Log Off [return to command]*.

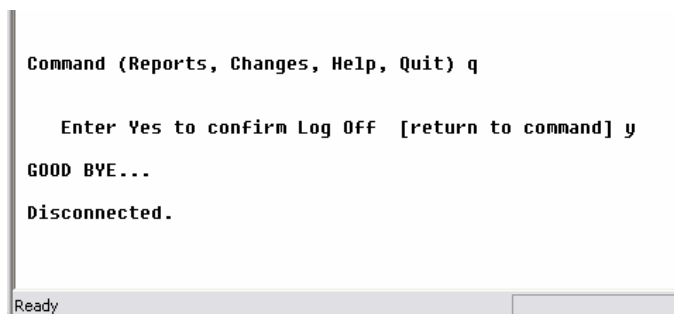




Figure 18

4. Press the ENTER key.
5. Click on the  Disconnect icon on the toolbar.

You are now disconnected from the monitoring system.

5. Working with Databases and Firmware

5.1 Saving a Database from the Monitoring System

1. Connect to the monitoring system as outlined in the *Connect to the Monitoring System* section above.
2. Type CSDS
(*Change-System-Database-Save*) then press the ENTER key (Figure 19.)
3. When the *Enter Destination (Remote file, On board backup) [Remote]* prompt appears, press the ENTER key to accept the default selection.
4. When the *Save (System, Unit) [System]* prompt appears, press the ENTER key to accept the default selection.
5. When the *Enter Method (Ascii, Stitrm) [Stitrm]* prompt appears, press the ENTER key to accept the default selection.
6. When the *Tell STITRM / STIComm to save database* prompt appears, click on the  Save DB icon on the toolbar. This opens the Save As dialog box (Figure 20.)
7. Navigate to the location you want to save the file in the Save As dialog box.
8. Type a file name in the FILE NAME text box.
9. Click the SAVE button. A progress window will appear.
10. When the *Save DB Success!* dialog box appears, click the OK button (Figure 21.)

```

Command (Reports, Changes, Help, Quit) csds
Enter Destination ( Remote file, On board backup ) [Remote]:
Save (System, Unit) [System]:
Enter Method (Ascii, Stitrm) [Stitrm]:

Tell STITRM / STIComm to save database

```

Ready

Figure 19

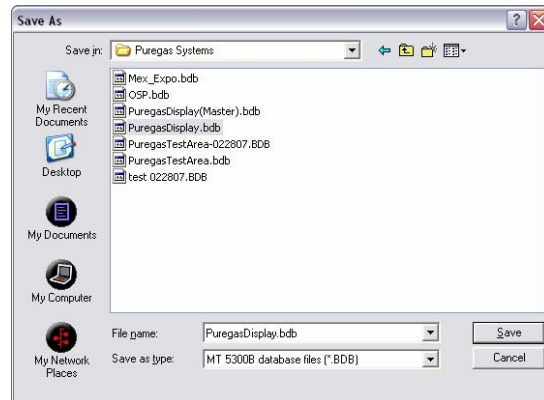


Figure 20

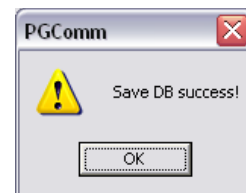


Figure 21

The database is now saved from the monitoring system to the computer location you specified.

5.2 Loading a Database on the Monitoring System

1. Connect to the monitoring system as outlined in the *Connect to the Monitoring System* section above.
2. Type CSDL (*Change-System-Database-Load*) then press the ENTER key (Figure 22.)
3. When the *Enter Source (Remote file, On board backup) [Remote]* prompt appears, press the ENTER key to accept the default selection.
4. When the *Load (System, Unit) [System]* prompt appears, press the ENTER key to accept the default selection.
5. When the *Enter Method (Ascii, Stitrm) [Stitrm]* prompt appears, press the ENTER key to accept the default selection.
6. When the *Tell STITRM / STIComm to load database* prompt appears, click on the Load DB icon on the toolbar. This opens the Open dialog box (Figure 23.)
7. Locate the database file in the Open dialog box.
8. Select the database file.
9. Click the OPEN button. A progress window will appear.
10. When the *Load DB Success!* dialog box appears, click the OK button (Figure 24.)

```

Command (Reports, Changes, Help, Quit) csdl
Enter Source ( Remote File, On board backup ) [Remote]:
Load (System, Unit) [System]:
Enter Method (Ascii, Stitrm) [Stitrm]:
Disabling scanning. This may take a minute or more....

Tell STITRM / STIComm to load database

```

Ready

Figure 22

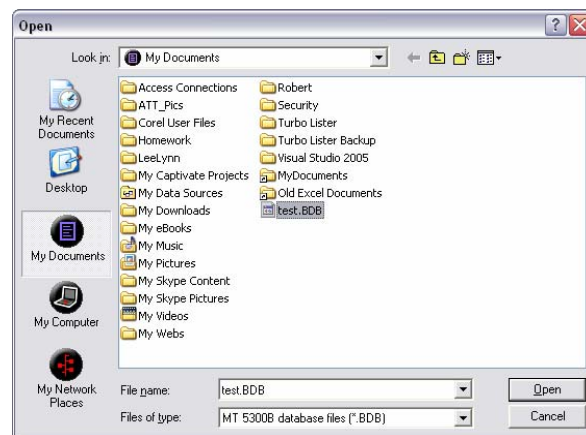


Figure 23

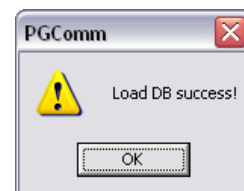



Figure 24

The database is now loaded from the computer location you specified to the monitoring system.

5.3 Installing Firmware on the Monitoring System

1. Connect to the monitoring system as outlined in the *Connect to the Monitoring System* section above.
2. Type CSDL (*Change-System-Database-Load*) then press the ENTER key.
3. When the *Enter Source (Remote file, On board backup) [Remote]* prompt appears, press the ENTER key to accept the default selection.
4. When the *Load (System, Unit) [System]* prompt appears, press the ENTER key to accept the default selection.
5. When the *Enter Method (Ascii, Stitrm) [Stitrm]* prompt appears, press the ENTER key to accept the default selection.
6. When the *Tell STITRM / STIComm to load database* prompt appears, click on the Send File icon on the toolbar. This opens the Open dialog box (Figure 26).
7. Locate the firmware file in the Open dialog box.
8. Select the firmware file.
9. Click the OPEN button. The Send File progress window will appear.
10. When the *Send File Success!* dialog box appears, click the OK button (Figure 27).
11. Wait for 30 – 60 seconds.
12. Click the  Disconnect icon on the toolbar

```

Command (Reports, Changes, Help, Quit) csdl
Enter Source ( Remote File, On board backup ) [Remote]:
Load (System, Unit) [System]:
Enter Method (Ascii, Stitrm) [Stitrm]:
Disabling scanning. This may take a minute or more....

Tell STITRM / STIComm to load database

```

Ready

Figure 25

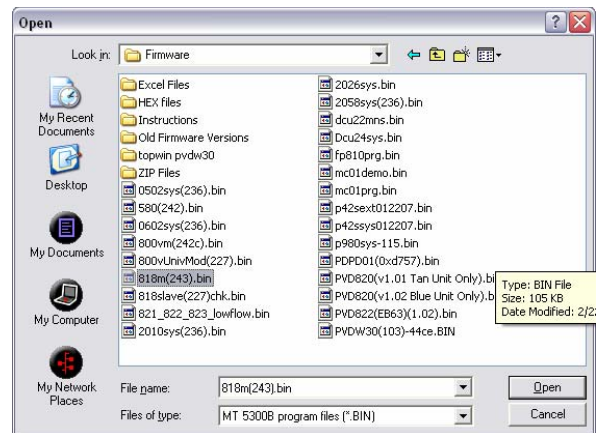


Figure 26

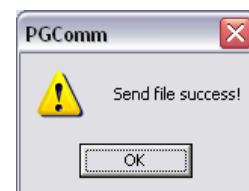




Figure 27

The firmware is now loaded from the computer location you specified to the monitoring system.

6. Working with Session Log Files

6.1 Creating a Session Log File

1. Click the  Log On icon on the toolbar.
2. Continue with your session normally.
3. Click the  Log Off icon on the toolbar.

6.2 Accessing a Session Log File

1. In the Windows Explorer or My Computer application, located the folder where the PGComm.exe program resides.
2. Locate the .log file that shows the date the log was recorded (yyyy-mm-dd).
3. Double click the file. The log file will open in the Notepad or WordPad application depending on your system preferences.